

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.

Application Serial Number: 10/523,290
Source: Pt 1/10
Date Processed by STIC: 2/17/05

ENTERED



PCT

RAW SEQUENCE LISTING

DATE: 02/17/2005

PATENT APPLICATION: US/10/523,290

TIME: 11:53:01

Input Set : A:\PTO.FG.txt

Output Set: N:\CRF4\02172005\J523290.raw

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3 <110> APPLICANT: Johnson, Scott C.
4     Cavato, Tracey A.
5     Coombe, Timothy R.
7 <120> TITLE OF INVENTION: CORN EVENT PV-ZMIR13 (MON863) PLANTS AND COMPOSITIONS AND
METHODS FOR
8     DETECTION THEREOF
W--> 9 <130> FILE REFERENCE: 38-21 (52221)B
C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/523,290
C--> 11 <141> CURRENT FILING DATE: 2005-02-03
11 <150> PRIOR APPLICATION NUMBER: 60/399,279
12 <151> PRIOR FILING DATE: 2002-07-29
14 <150> PRIOR APPLICATION NUMBER: PCT/US03/22860
15 <151> PRIOR FILING DATE: 2003-07-23
17 <160> NUMBER OF SEQ ID NOS: 21
19 <170> SOFTWARE: PatentIn version 3.1
21 <210> SEQ ID NO: 1
22 <211> LENGTH: 20
23 <212> TYPE: DNA
24 <213> ORGANISM: Artificial Sequence
26 <220> FEATURE:
27 <223> OTHER INFORMATION: 5' junction sequence
29 <220> FEATURE:
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31 <222> LOCATION: (1)..(20)
32 <223> OTHER INFORMATION: 5' junction sequence
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36 agcttggtac actttggggt
39 <210> SEQ ID NO: 2
40 <211> LENGTH: 20
41 <212> TYPE: DNA
42 <213> ORGANISM: Artificial Sequence
44 <220> FEATURE:
45 <223> OTHER INFORMATION: 3' junction sequence
47 <220> FEATURE:
W--> 48 <221> NAME/KEY: DNA
49 <222> LOCATION: (1)..(20)
50 <223> OTHER INFORMATION: 3' junction sequence
53 <400> SEQUENCE: 2
54 ggaattcggc ctccctatag
57 <210> SEQ ID NO: 3
58 <211> LENGTH: 508
59 <212> TYPE: DNA
60 <213> ORGANISM: Artificial Sequence
62 <220> FEATURE:

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63 <223> OTHER INFORMATION: 5' genome + insert sequence
65 <220> FEATURE:
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67 <222> LOCATION: (1)..(508)
68 <223> OTHER INFORMATION: 5' genome + insert sequence
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72 gtcttgcgaa ggatagtggg attgtgcgtc atcccttacg tcagtggaag tatcacatca      60
74 atccacttgc tttgaagacg tgggtggaac gtcttctttt tccacgatgc tcctcgtagg      120
76 tgggggtcca tctttgggac cactgtcggc agaggcatct tgaatgatag cctttccttt      180
78 atcgcaatga tggcatttgt aggtgccacc ttctttttct actgtccttt tgatgaagtg      240
80 acaggttaga tcggaaagct tggtaacctt tggggtgaac acccatccga acaagtaggg      300
82 tcaatagttc agcatttagg ccgtaacatt tagcaaaaaa ctaatcttaa acccaacaag      360
84 tgctctccga accaagctag atagtctcct atcactaggc tcaccaacca acctggactt      420
86 tgattctttc ttattattct aaccgggata taaaaacat aaggattggt tccagccaag      480
88 agttcccata tgacataagc gctcttgg                                     508
91 <210> SEQ ID NO: 4
92 <211> LENGTH: 584
93 <212> TYPE: DNA
94 <213> ORGANISM: Artificial Sequence
96 <220> FEATURE:
97 <223> OTHER INFORMATION: 3' insert + genome sequence
99 <220> FEATURE:
W--> 100 <221> NAME/KEY: DNA
101 <222> LOCATION: (1)..(584)
102 <223> OTHER INFORMATION: 3' insert+genome sequence
105 <400> SEQUENCE: 4
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108 ttcateccccg tccagctgtg ataggaactc tgattgaatt ctgcatgctg ttggacgtat      120
110 gctcattcag gttggagcca atttggttga tgtgtgtgcg agttcttgcg agtctgatga      180
112 gacatctctg tattgtgttt ctttccccag tgttttctgt acttgtgtaa tcggctaata      240
114 gccaacagat tcggcgatga ataaatgaga aataaattgt tctgattttg agtgcaaaaa      300
116 aaaaggaatt agatctgtgt gtgttttttg gatccccggg gcggccgcgg ggaattcggt      360
118 ctccctatag agcagagcat agtgacaaaa gttccattta gatatgggtg tatcatatgt      420
120 atataaagaa tgtactcgca atgaactggc taagtccaac caaccatgat ggcagcctgc      480
122 cccctatag ccaaagcaag cgatagcaaa tagtgatttt atggagtaag cttcgctccg      540
124 cgccaattag aaaaaagtga aaagactcta tgctctgctc atat                                     584
127 <210> SEQ ID NO: 5
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129 <212> TYPE: DNA
130 <213> ORGANISM: corn
132 <220> FEATURE:
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134 <222> LOCATION: (1)..(242)
135 <223> OTHER INFORMATION: 5' corn genome sequence
138 <400> SEQUENCE: 5
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141 catattagcaa aaaactaatc ttaaacccaa caagtgtctc ccgaaccaag ctatagatgc      120
143 tcctatcact aggtcacca accaacctgg actttgattc tttcttatta ttctaaccgg      180
145 gatataaaaa ccataaggat tgtttccagc caagagttcc catatgacat aagcgtctct      240

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147 gg
150 <210> SEQ ID NO: 6
151 <211> LENGTH: 224
152 <212> TYPE: DNA
153 <213> ORGANISM: corn
155 <220> FEATURE:
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157 <222> LOCATION: (1)..(224)
158 <223> OTHER INFORMATION: 3' corn genome sequence
161 <400> SEQUENCE: 6
162 ctccctatag agcagagcat agtgacaaaa gttccattta gatatggttg tatcatatgt 60
164 atataaagaa tgtactcgca atgaactggc taagtccaac caaccatgat ggcagcctgc 120
166 cccctatag ccaaagcaag cgatagcaaa tagtgatttt atggagtaag cttecgctccg 180
168 cgccaattag aaaaaagtga aaagactcta tgctctgctc atat 224
171 <210> SEQ ID NO: 7
172 <211> LENGTH: 266
173 <212> TYPE: DNA
174 <213> ORGANISM: Artificial Sequence
176 <220> FEATURE:
177 <223> OTHER INFORMATION: 5' insert sequence
179 <220> FEATURE:
W--> 180 <221> NAME/KEY: DNA
181 <222> LOCATION: (1)..(266)
182 <223> OTHER INFORMATION: 5' insert sequence
185 <400> SEQUENCE: 7
186 gtcttgcgaa ggatagtggg attgtgcgtc atcccttacg tcagtggaag tatcacatca 60
188 atccacttgc tttgaagacg tggttggaac gtcttctttt tccacgatgc tcctcgtagg 120
190 tgggggtcca tctttgggac cactgtcggc agaggcatct tgaatgatag cctttccttt 180
192 atcgcaatga tggcatttgt aggtgccacc ttccttttct actgtccttt tgatgaagtg 240
194 acaggtagga tcggaagct tggtag 266
197 <210> SEQ ID NO: 8
198 <211> LENGTH: 360
199 <212> TYPE: DNA
200 <213> ORGANISM: Artificial Sequence
202 <220> FEATURE:
203 <223> OTHER INFORMATION: 3' insert sequence
205 <220> FEATURE:
W--> 206 <221> NAME/KEY: DNA
207 <222> LOCATION: (1)..(360)
208 <223> OTHER INFORMATION: 3' insert sequence
211 <400> SEQUENCE: 8
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214 ttcacccccg tccagctgtg ataggaactc tgattgaatt ctgcatgcgt ttggacgtat 120
216 gctcattcag gttggagcca atttggttga tgtgtgtgcg agttcttgcg agtctgatga 180
218 gacatctctg tatttgtttt ctttccccag tgttttctgt acttgtgtaa tcggctaata 240
220 gccaacagat tcggcgatga ataaatgaga aataaattgt tctgattttg agtgcaaaaa 300
222 aaaaggaatt agatctgtgt gtgttttttg gatccccggg gcggccgcgg ggaattcgg 360
225 <210> SEQ ID NO: 9
226 <211> LENGTH: 22

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227 <212> TYPE: DNA
228 <213> ORGANISM: Artificial Sequence
230 <220> FEATURE:
231 <223> OTHER INFORMATION: 5' 5' primer
233 <220> FEATURE:
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235 <222> LOCATION: (1)..(22)
236 <223> OTHER INFORMATION: 5' flanking sequence 5' primer
239 <400> SEQUENCE: 9
240 gtcttgcgaa ggatagtggg at 22
243 <210> SEQ ID NO: 10
244 <211> LENGTH: 22
245 <212> TYPE: DNA
246 <213> ORGANISM: Artificial Sequence
248 <220> FEATURE:
249 <223> OTHER INFORMATION: 5' 3' primer
251 <220> FEATURE:
W--> 252 <221> NAME/KEY: DNA
253 <222> LOCATION: (1)..(22)
254 <223> OTHER INFORMATION: 5' flanking sequence 3' primer
257 <400> SEQUENCE: 10
258 catatgacat aagcgctctt gg 22
261 <210> SEQ ID NO: 11
262 <211> LENGTH: 23
263 <212> TYPE: DNA
264 <213> ORGANISM: Artificial Sequence
266 <220> FEATURE:
267 <223> OTHER INFORMATION: 3' 5' primer
269 <220> FEATURE:
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271 <222> LOCATION: (1)..(23)
272 <223> OTHER INFORMATION: 3' flanking sequence 5' primer
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276 ctgatcattg gtgctgagtc ctt 23
279 <210> SEQ ID NO: 12
280 <211> LENGTH: 22
281 <212> TYPE: DNA
282 <213> ORGANISM: Artificial Sequence
284 <220> FEATURE:
285 <223> OTHER INFORMATION: 3' 3' primer
287 <220> FEATURE:
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289 <222> LOCATION: (1)..(22)
290 <223> OTHER INFORMATION: 3' flanking sequence 3' primer
293 <400> SEQUENCE: 12
294 agactctatg ctctgctcat at 22
297 <210> SEQ ID NO: 13
298 <211> LENGTH: 27
299 <212> TYPE: DNA

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300 <213> ORGANISM: Artificial Sequence
302 <220> FEATURE:
303 <223> OTHER INFORMATION: 5' genome walker primer 1
305 <220> FEATURE:
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307 <222> LOCATION: (1)..(27)
308 <223> OTHER INFORMATION: 5' genome walker primer 1
311 <400> SEQUENCE: 13
312 gaacgtcttc tttttccacg atgctcc 27
315 <210> SEQ ID NO: 14
316 <211> LENGTH: 26
317 <212> TYPE: DNA
318 <213> ORGANISM: Artificial Sequence
320 <220> FEATURE:
321 <223> OTHER INFORMATION: 5' genome walker primer 2
323 <220> FEATURE:
W--> 324 <221> NAME/KEY: DNA
325 <222> LOCATION: (1)..(26)
326 <223> OTHER INFORMATION: 5' genome walker primer 2
329 <400> SEQUENCE: 14
330 tcggcagagg catcttgaat gatagc 26
333 <210> SEQ ID NO: 15
334 <211> LENGTH: 26
335 <212> TYPE: DNA
336 <213> ORGANISM: Artificial Sequence
338 <220> FEATURE:
339 <223> OTHER INFORMATION: 3' genome walker primer 1
341 <220> FEATURE:
W--> 342 <221> NAME/KEY: DNA
343 <222> LOCATION: (1)..(26)
344 <223> OTHER INFORMATION: 3' genome walker primer 1
347 <400> SEQUENCE: 15
348 gcgagtctga tgagacatct ctgtat 26
351 <210> SEQ ID NO: 16
352 <211> LENGTH: 27
353 <212> TYPE: DNA
354 <213> ORGANISM: Artificial Sequence
356 <220> FEATURE:
357 <223> OTHER INFORMATION: 3' genome walker primer 2
359 <220> FEATURE:
W--> 360 <221> NAME/KEY: DNA
361 <222> LOCATION: (1)..(27)
362 <223> OTHER INFORMATION: 3' genome walker primer 2
365 <400> SEQUENCE: 16
366 aatttggttg atgtgtgtgc gagttct 27
369 <210> SEQ ID NO: 17
370 <211> LENGTH: 416
371 <212> TYPE: DNA
372 <213> ORGANISM: Cauliflower mosaic virus

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VERIFICATION SUMMARY

DATE: 02/17/2005

PATENT APPLICATION: US/10/523,290

TIME: 11:53:02

Input Set : A:\PTO.FG.txt

Output Set: N:\CRF4\02172005\J523290.raw

L:9 M:283 W: Missing Blank Line separator, <130> field identifier
L:11 M:270 C: Current Application Number differs, Replaced Current Application No
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:30 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1
L:48 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:2
L:66 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:3
L:100 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:4
L:133 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:5
L:156 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:6
L:180 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:7
L:206 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:8
L:234 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:9
L:252 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:10
L:270 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:11
L:288 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:12
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L:463 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:20
L:544 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:21